Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/28/2019 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125302	0	1.88	125393	1.88
Blue	F	SSC	125000	124769	-1	1.61	125565	1.59
Blue	E	FITC	16433	16137	-2	2.67	351	20.27
Blue	D	PE	27595	27163	-2	1.95	594	14.26
Blue	B	PerCP-Cy5-5	43183	42754	-1	3.62	1152	19.94
Blue	A	PE-Cy7	31943	31746	-1	5.99	607	39.27
Red	C	APC	42819	42288	-2	2.39	1493	12.05
Red	A	APC-Cy7	31261	30198	-4	2.26	800	11.80
Violet	B	V450	6527	6355	-3	4.85	356	13.91
Violet	A	V500	24533	23643	-4	4.68	549	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18001	8.91	609	9	N/A	N/A	Pass
Blue	F	SSC	56684	1.17	551	3	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0188	73	Pass
Blue	D	PE	124	48.23	534	0	0.1772	281	Pass
Blue	B	PerCP-Cy5-5	213	48.03	645	3	0.0094	36	Pass
Blue	A	PE-Cy7	114	97.54	693	4	0.0119	19	Pass
Red	C	APC	356	24.46	578	-5	0.0243	82	Pass
Red	A	APC-Cy7	177	28.05	557	-6	0.0057	825	Pass
Violet	B	V450	54	62.73	447	-8	0.0455	2029	Pass
Violet	A	V500	82	35.66	458	-9	0.0200	780	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-31.89	1.04
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.63	13.60 - 20.40	N/A	N/A	29.12	29.88	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11752

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments